

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1 1. (Currently Amended) An automated storage system comprising:  
2 a data access drive operable to read and write computer-readable data on storage media;  
3 a drive controller provided at the data access drive;  
4 computer-readable program code provided in computer-readable storage at the data  
5 access drive, the computer-readable program code executable by the drive controller for  
6 generating drive information and user interface rendering data, wherein the drive information  
7 comprises a status of the data access drive and an operating speed of the data access drive; and  
8 a user interface module to output ~~outputting~~ the drive information via a user interface in  
9 accordance with the user interface rendering data.

1 2. (Original) The system of claim 1 wherein the computer-readable program code includes  
2 a render engine to generate the user interface rendering data.

1 3. (Original) The system of claim 1 wherein the computer-readable program code includes  
2 a state machine to retrieve the drive information.

1 4. (Original) The system of claim 1 wherein the drive controller retrieves updated drive  
2 information if a data access drive changes state.

1 5. (Original) The system of claim 1 further comprising a communication path established  
2 between the drive controller and the user interface module, the drive information and the user  
3 interface rendering data provided to the user interface module via the communication path.

1 6. (Original) The system of claim 5 wherein the communication path is established separate  
2 from a data path with the drive controller.

1 7. (Original) The system of claim 1 further comprising a communication path established  
2 between the drive controller and a system controller and between the system controller and the  
3 user interface module, the drive information and the user interface rendering data provided to the  
4 user interface module via the communication path.

1 8. (Original) The system of claim 1 wherein the drive information and the user interface  
2 rendering data is displayed in a graphical user interface.

1 9. (Original) The system of claim 1 wherein the drive controller retrieves updated drive  
2 information based at least in part on input from the user interface module.

1 10. (Original) The system of claim 1 wherein the drive controller receives control  
2 instructions from the user interface module.

1 11. (Previously Presented) A method executed by a processor, comprising:  
2 receiving drive information and graphical user interface rendering data generated by a  
3 drive controller at a data access drive of a storage system, wherein the drive information  
4 comprises a status of the data access drive and an operating speed of the data access drive;  
5 outputting the drive information in a graphical user interface in accordance with the  
6 graphical user interface rendering data; and  
7 receiving an indication of activation of a button in the graphical user interface, wherein  
8 activation of the button is a request for the drive information, and wherein receiving the drive  
9 information and graphical user interface rendering data is in response to the indication of  
10 activation of the button.

1 12. (Previously Presented) The method of claim 11 wherein receiving the drive information  
2 and the graphical user interface rendering data is via a system controller.

13. (Currently Amended) The method of claim 11 wherein receiving the ~~drive information~~  
and graphical user interface rendering data comprises receiving the graphical user interface  
rendering data from a render engine executed by the drive controller at the data access drive is  
~~via a separate communications path.~~

14. (Previously Presented) The method of claim 11, wherein outputting the drive  
information comprises displaying the drive information in the graphical user interface in  
accordance with the graphical user interface rendering data.

15-16. (Cancelled)

17. (Previously Presented) The method of claim 11 further comprising:  
receiving a second indication of activation of the button in the graphical user interface;  
and  
outputting updated drive information in the graphical user interface in response to  
receiving the second indication.

18. (Previously Presented) In an automated storage system having a graphical user interface  
including a display and a user interface selection device, a method of providing and selecting  
from the display comprising:  
receiving activation of a button in the graphical user interface, wherein activation of the  
button is a request for drive information of a data access device in the automated storage system,  
wherein the drive information comprises a status of the data access drive and an operating speed  
of the data access drive; and  
sending an indication regarding the activation of the button to a drive controller at the  
data access drive;  
responsive to the indication regarding the activation of the button, receiving drive  
information and graphical user interface rendering data from the drive controller; and  
displaying the drive information in an application window in the graphical user interface  
in accordance with the graphical user interface rendering data.

19. (Cancelled)

20. (Previously Presented) The method of claim 18, further comprising:  
receiving a second activation of the button;  
sending a second indication regarding the second activation of the button to the drive controller; and  
receiving updated drive information that represents a state change of the data access drive, and corresponding updated graphical user interface rendering data from the drive controller; and  
displaying the updated drive information in the application window in accordance with the updated graphical user interface rendering data.

21. (Previously Presented) The system of claim 1, wherein the user interface rendering data enables drawing of a graphical image in the user interface.

22. (Cancelled)

23. (Previously Presented) The system of claim 1, wherein the drive information further comprises an error rate of the data access drive.

24. (Previously Presented) The system of claim 1, wherein the user interface comprises a graphical user interface, wherein the user interface rendering data comprises a graphical user interface rendering data, and wherein the user interface module displays the drive information in a window of the graphical user interface in accordance with the graphical user interface rendering data.

1     25.     (Previously Presented) The method of claim 11, further comprising sending output  
2     regarding activation of the button to the drive controller, wherein the drive information and  
3     graphical user interface rendering data is generated by the drive controller in response to the  
4     output.

1     26.     (New) The method of claim 18 wherein receiving the graphical user interface rendering  
2     data comprises receiving the graphical user interface rendering data from a render engine  
3     executed by the drive controller at the data access drive.